

Abstract of the Disclosure

An optical module has a circuit carrier, a housed semiconductor element placed on the circuit carrier, and a lens unit for projecting electromagnetic radiation onto the semiconductor element. The lens unit, which is constructed separate from the cased semiconductor element, preferably comprises a lens assembly formed of, for example, three lenses and of a diaphragm. The three lenses, optionally together with the diaphragm, are aligned in a well-defined manner due to their geometric design so that no additional optical adjustment is necessary. According to the invention, a support is formed, at least in sections, on the case of the semiconductor element, and the lens unit is placed thereon thus being supported. The concept is that by forming a support directly on the case of a cased semiconductor element even with classically cased semiconductor chips, it is possible to construct a camera module with which every mechanical focus setting can be eliminated. The novel system is particularly suited for use in the interior or exterior of a motor vehicle.